

FIG. 1

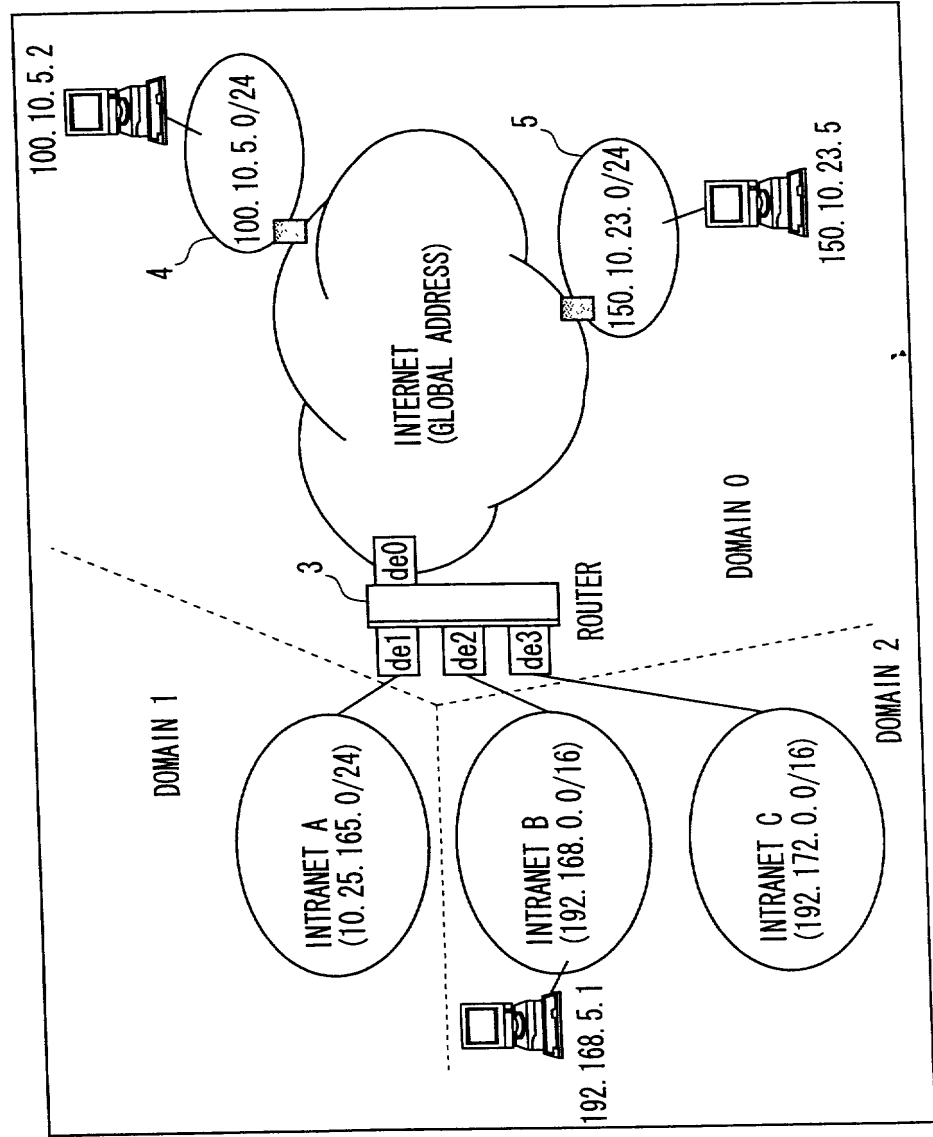


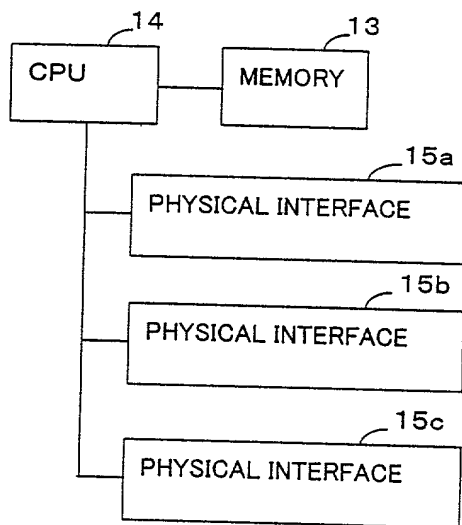
FIG. 2

FIG. 3

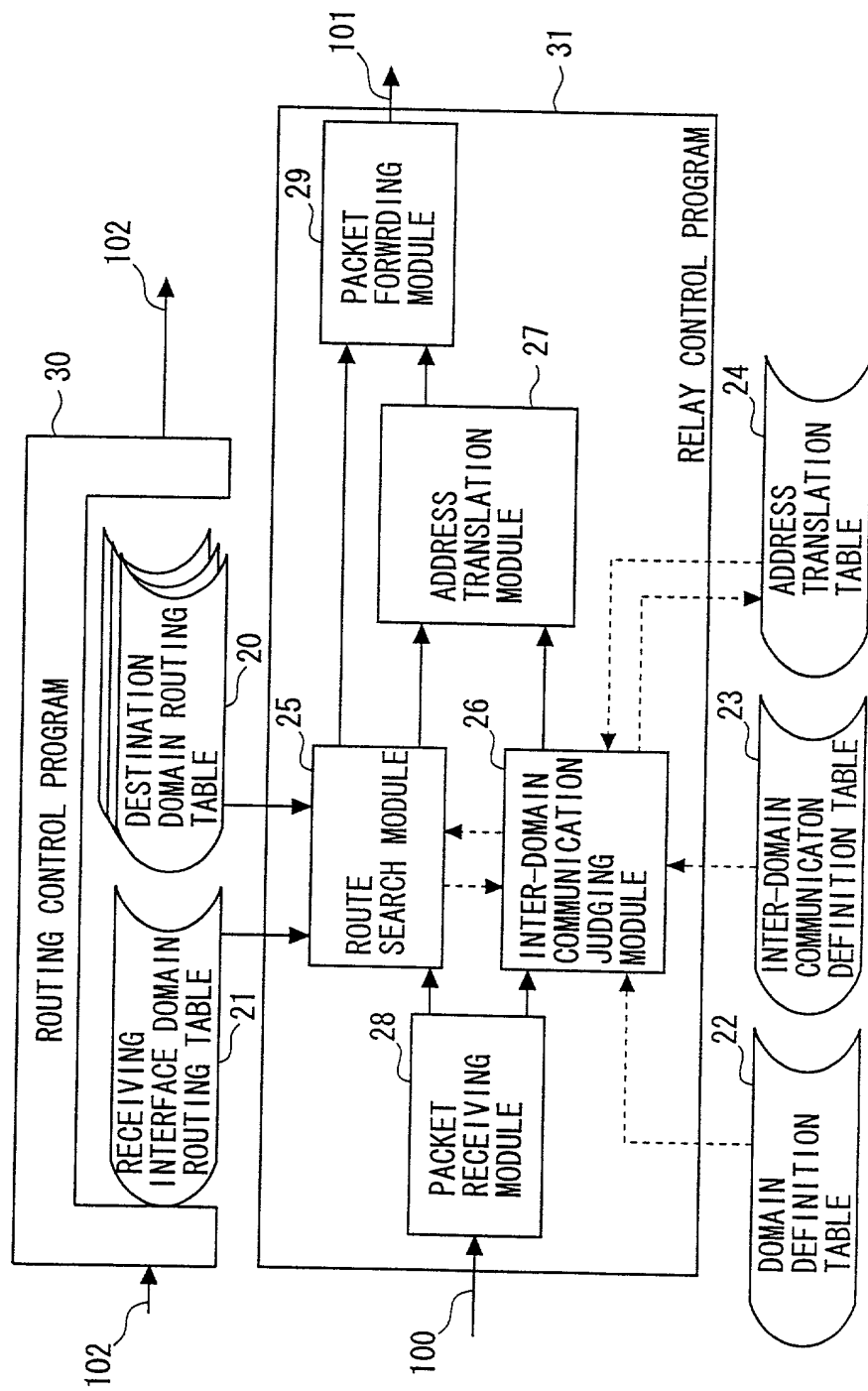


FIG. 4

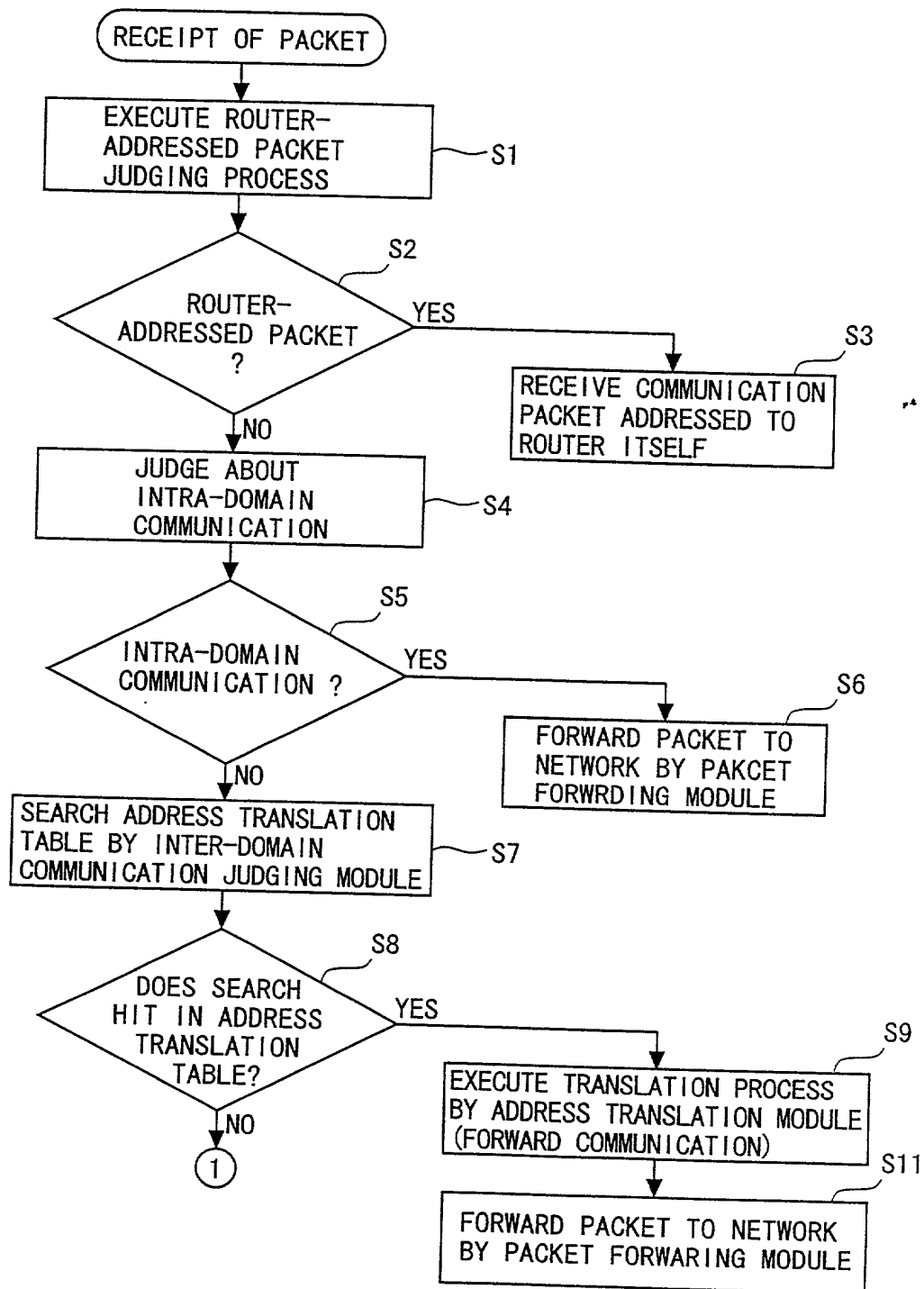


FIG. 5

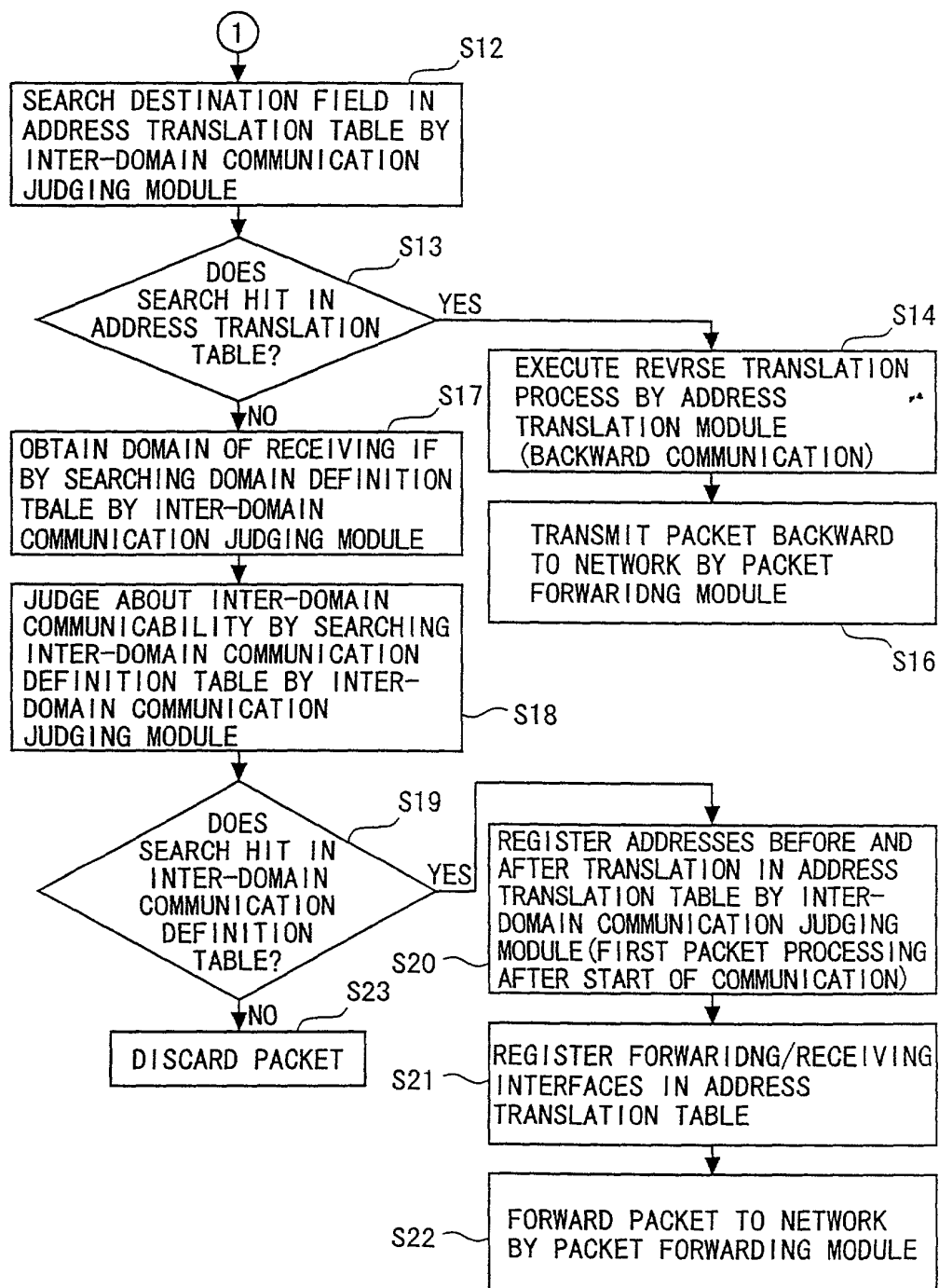


FIG. 6

I/F NUMBER	DOMAIN NUMBER
de0	0
de1	1
de2	2
de3	2

FIG. 7

SOURCE DOMAIN → DESTINATION DOMAIN	COMMUNICABILITY (1:PERMITTED 0:PROHIBITED),	TRANSLATION RULE
DOMAIN 0→DOMAIN 1	0	—
DOMAIN 0→DOMAIN 2	0	—
DOMAIN 1→DOMAIN 0	1	NAT
DOMAIN 1→DOMAIN 2	0	—
DOMAIN 2→DOMAIN 0	1	NAT
DOMAIN 2→DOMAIN 1	1	NAT

FIG.8

DESTINATION NETWORK	NEXT HOP GATEWAY	OUTPUT INTERFACE
100.10.5.0	120.10.4.1	de0
100.10.6.0	120.10.4.120	de0
120.10.4.0	120.10.4.120	de0

FIG. 9

DESTINATION NETWORK	NEXT HOP GATEWAY	OUTPUT INTERFACE
10.25.55.0	10.25.55.1	de1
10.25.165.0	10.25.55.165	de1
10.25.166.0	10.25.55.166	de1

10.25.55.0 10.25.55.1 10.25.55.165 10.25.55.166

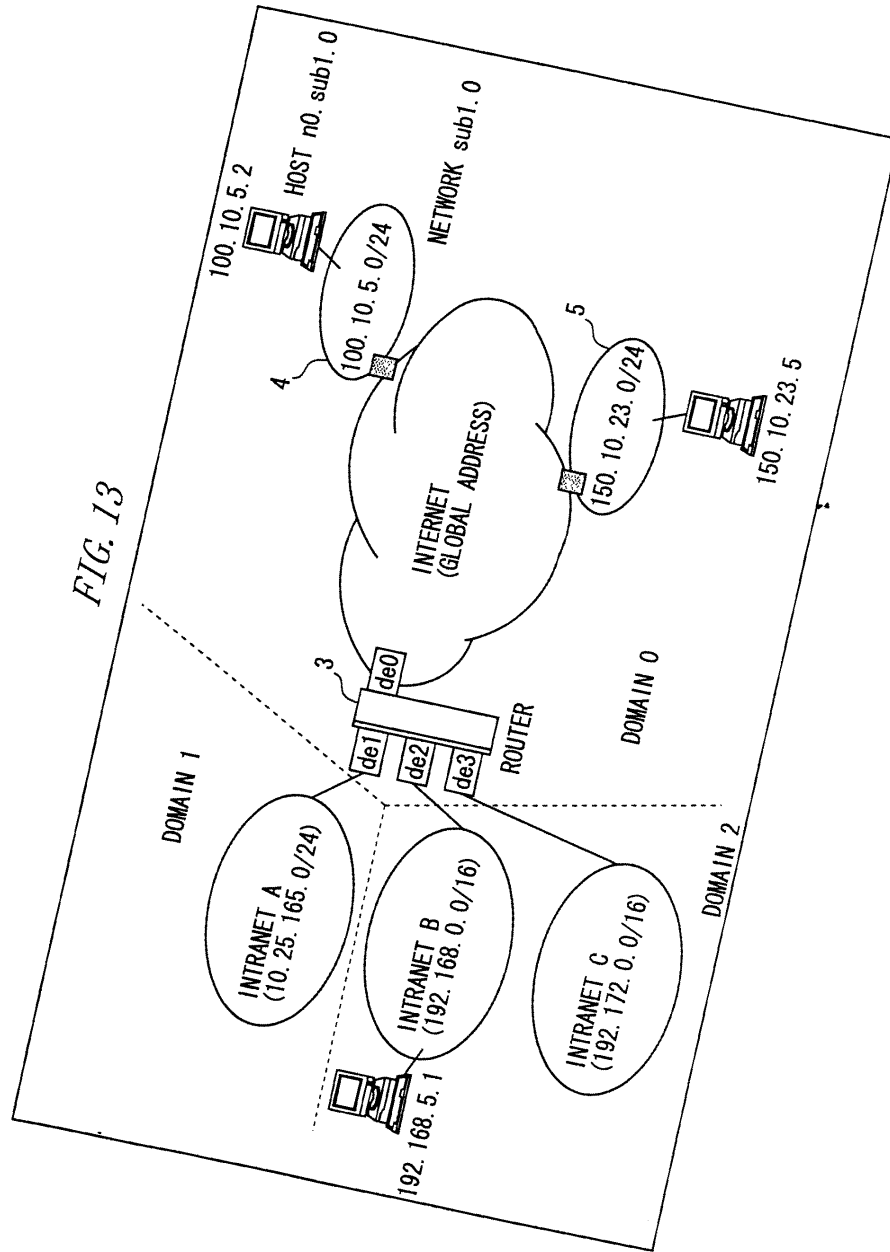
FIG. 10

DESTINATION NETWORK	NEXT HOP GATEWAY	OUTPUT INTERFACE
192.168.100.0	192.168.100.1	de2
192.168.250.0	192.168.100.250	de2
192.168.251.0	192.168.100.251	de2
192.172.30.0	192.168.30.1	de3
192.172.38.0	192.168.30.38	de3

FIG.12

DESTINATION NETWORK	NEXT HOP GATEWAY	OUTPUT INTERFACE	DOMAIN NUMBER
100.10.5.0	120.10.4.1	de0	0
100.10.6.0	120.10.4.120	de0	0
120.10.4.0	120.10.4.120	de0	0
10.25.55.0	10.25.55.1	de1	1
10.25.165.0	10.25.55.165	de1	1
10.25.166.0	10.25.55.166	de1	1
192.168.100.0	192.168.100.1	de2	2
192.168.250.0	192.168.100.250	de2	2
192.168.251.0	192.168.100.251	de2	2
192.172.30.0	192.168.30.1	de3	2
192.172.38.0	192.168.30.38	de3	2

FIG. 13



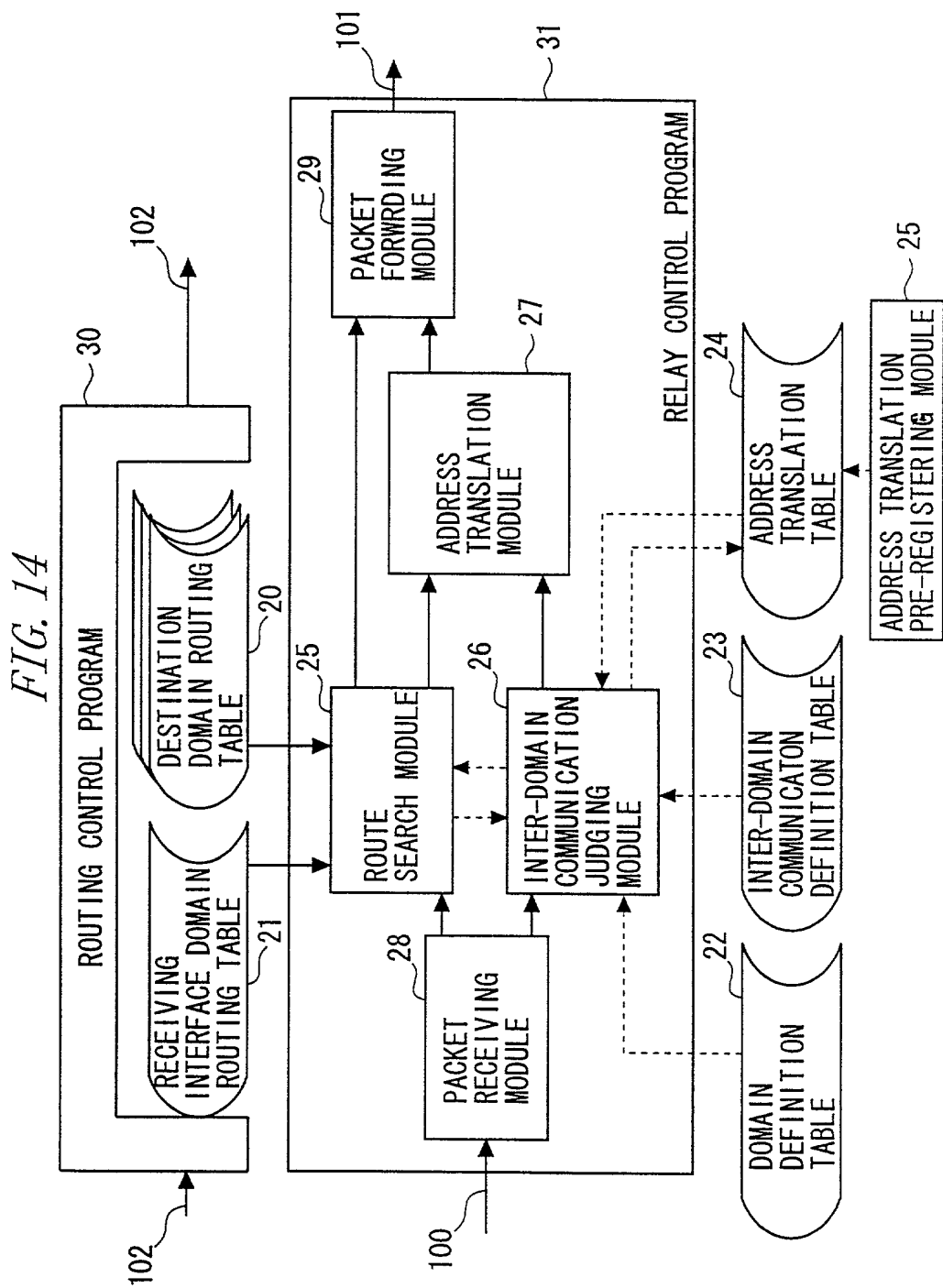


FIG. 15

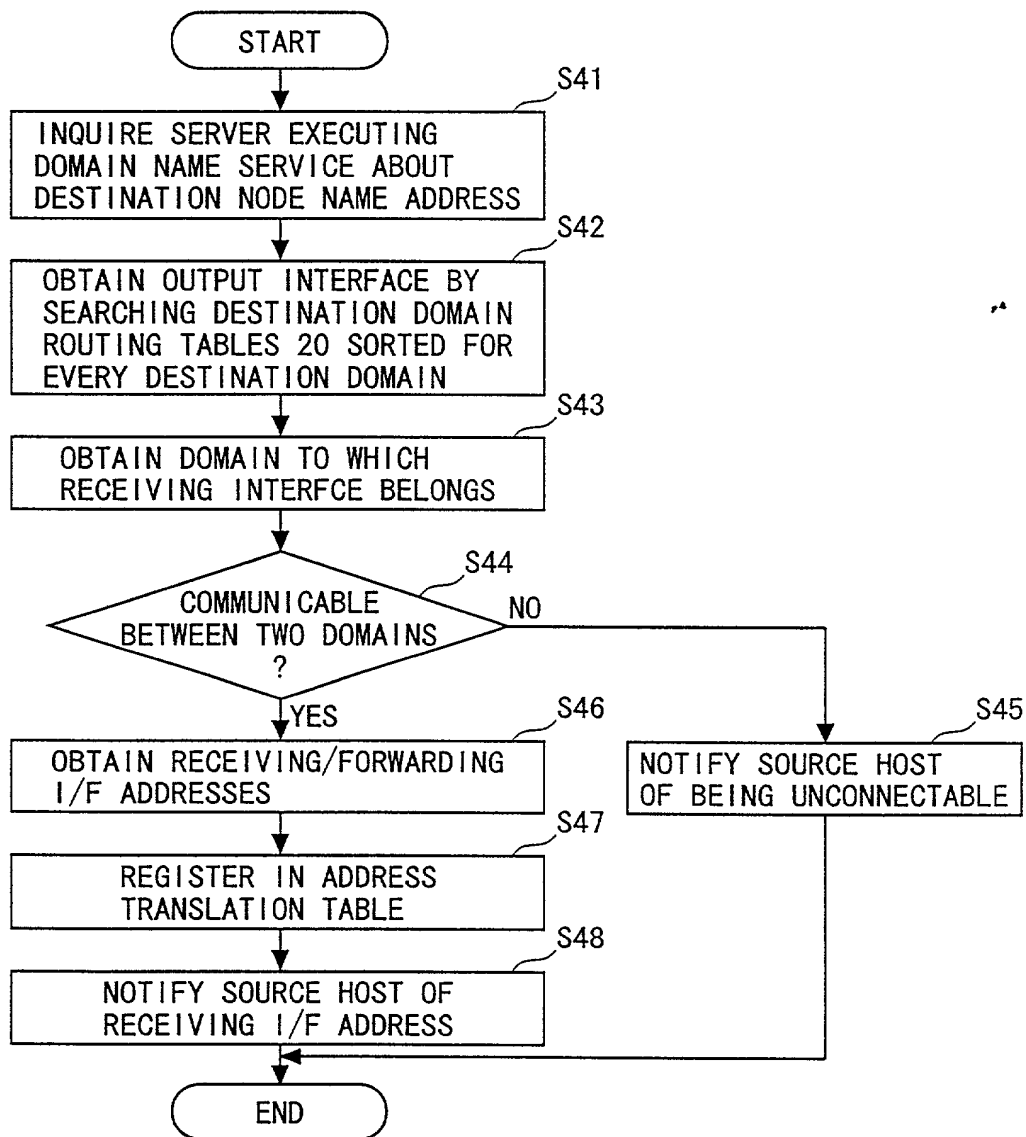


FIG. 17

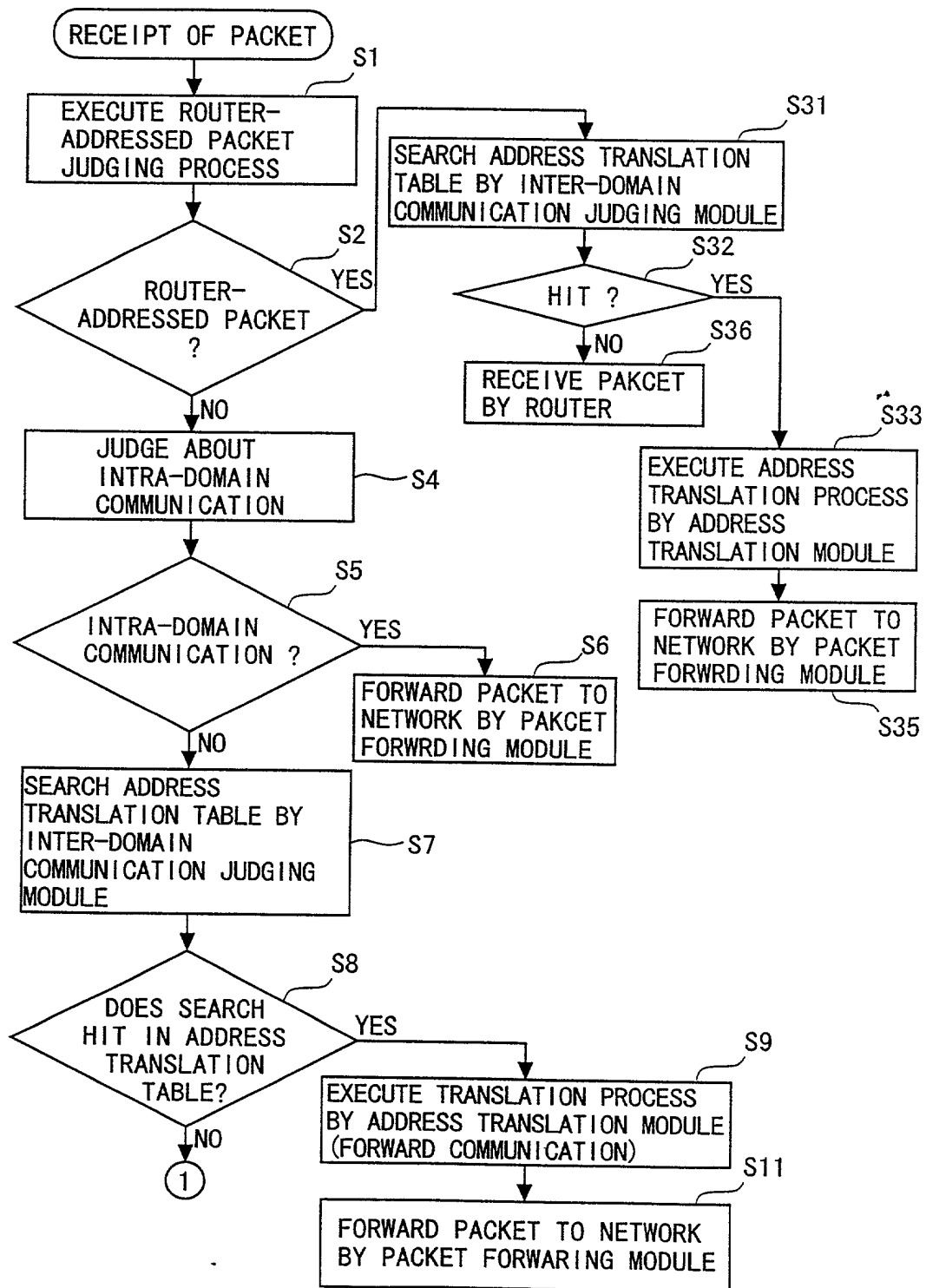


FIG. 18

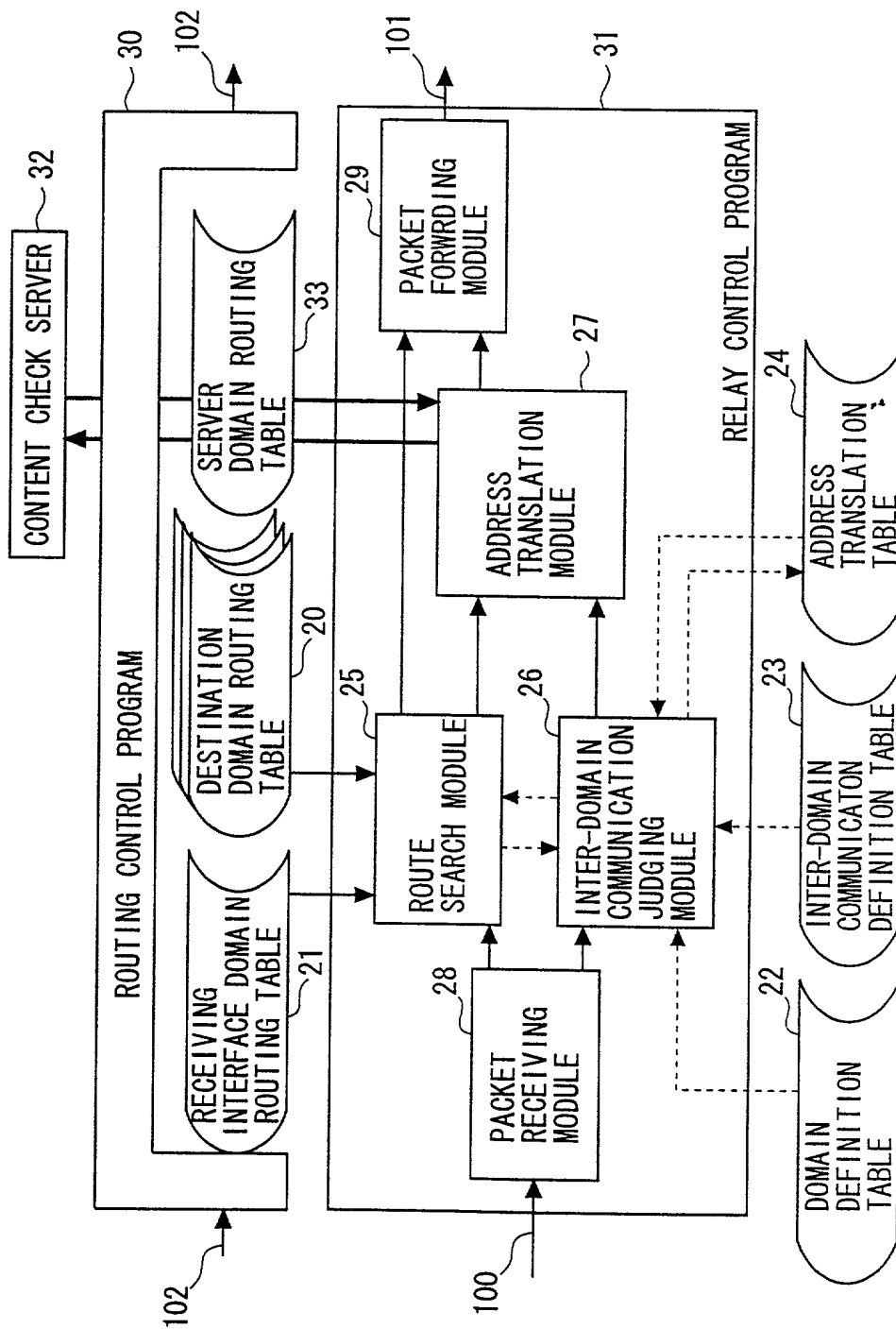


FIG. 19

PRIOR ART

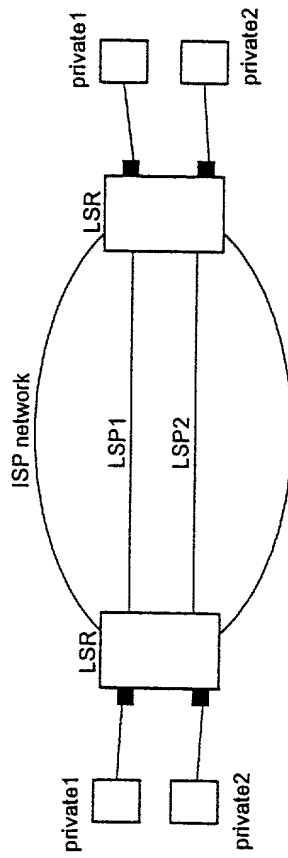


FIG. 20

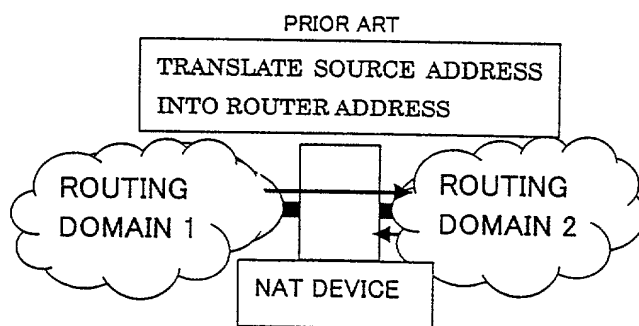
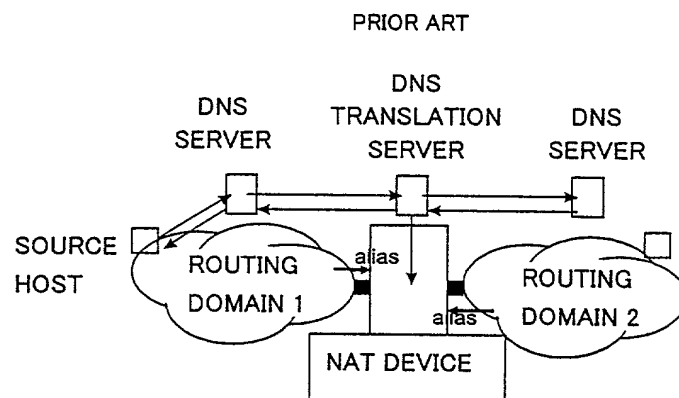


FIG. 21



End/22

FIG. 22

PRIOR ART

